# Terminal Learning Objective

ACTION:

Integrate NBC concepts into mission planning.

# Purpose

**The probability of Nuclear, Biological and Chemical weapons being used against U.S. troops is steadily increasing.**

**All soldiers, especially leaders, need to understand the basics of NBC Defense. The correct application of these concepts will reduce the impact of NBC weapons on U.S. troops.**

# References

FM 3-3

FM 3-3-1

FM 3-4

FM 3-5

FM 3-50

FM 3-100

FM 25-101

# Integrate NBC Concepts into Mission Planning

- **Identify five major concepts of NBC Defense: Contamination Avoidance, Individual and Collective Protection, Decontamination and Consequence Management.**

- **Correlate the appropriate NBC Defense principles with offensive, defensive stability and support operation.**

# Learning Objective A

**Action:**

**The five major concepts of NBC defense are:**

- **Contamination Avoidance**
- **Individual Protection**
- **Collective Protection**
- **Decontamination**
- **Consequence Management**

# NBC Contamination Avoidance

(1) Conduct NBC Intelligence Preparation of the Battlefield (IPB) Process:

- (a) Initiated and coordinated by the S2 (intelligence officer).
- (b) Used to predict battlefield events and synchronize courses of action.
- (c) Designed to reduce the commander's uncertainties regarding weather, enemy, and terrain for a specific geographic area.
- (d) Used to present information in a graphic format.
- (e) Enables the commander to see the battlefield.
- (f ) Guides the S2 in determining where and when to employ collection assets to detect or deny enemy activities.

# Contamination Avoidance (cont.)

2.) Assess NBC threat

3.) Assess threat capabilities

4.) Assess Toxic hazards

5.) Assess Depleted Uranium (DU)/Low-Level Radioactive (LLR) Material (DULLRAM) hazards

# Contamination Avoidance (cont.)

**Possible sources of DU contamination**

**a.) When an armored vehicle is penetrated by a DU round**

**b.) When DU armor is pierced**

# Contamination Avoidance (cont.)

6.) Assess industrial chemical hazards

7.) Collect physical environment info

8.) Analyze the risk

9.) Demonstrate NBC readiness to local nationals

10.) Use deception smoke

# Contamination Avoidance (cont.)

**11.) NBC recon (FOX and BIDS)**

**12.) By-pass NBC hazards**

**13.) Detect and verify NBC hazards**

**14.) Use warning and reporting system**

# NBC Individual Protection

1.) Conduct MOPP analysis

2.) Conduct immediate decon

3.) Keep IPE ready

# NBC Collective Protection

1.) Use CP shelters or vehicles

2.) Harden fixed facilities

3.) Conduct CP site assessments

4.) Identify potential CP locations

# NBC Decontamination

1.) Individual decon kits replenished

2.) Consider speed, need, limits, and priority for:

a.) Operational decon

b.) Thorough decon

3.) Execute decon operations

4.) Request decon support

# NBC Contamination (cont.)

5.) Use smoke deception plan

6.) Use host nation support plan

7.) Plan for patient decon

8.) Coordinate civilian evacuation

# Consequence Management

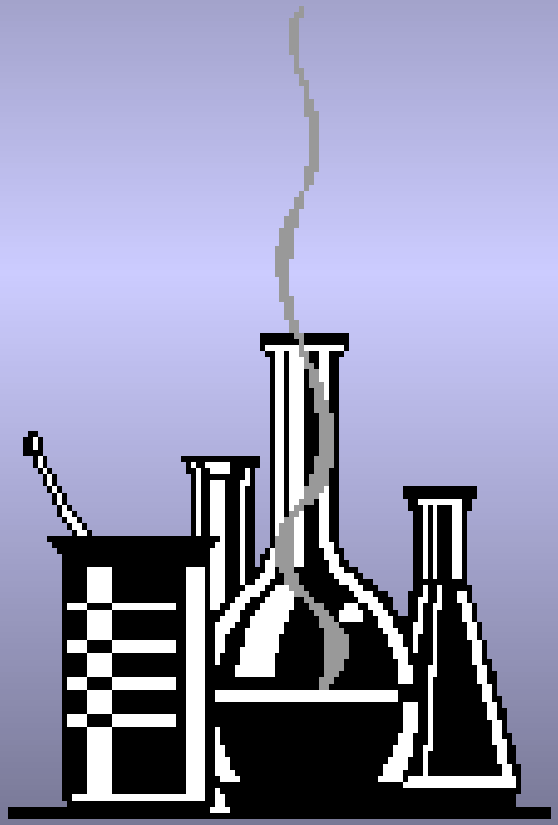
1.) Consequence Management

2.) Conduct NBC vulnerability analysis

3.) Coordinate with civil authorities to maximize use of their capabilities

4.) Use civilian assets to the extent possible

5.) Train first responders as required



# Learning Objective B

**ACTION:**

**Correlate the appropriate NBC Defense principles with offensive, defensive, stability and support operation.**

# NBC concepts for offense/defense mission

**Integrate, as a minimum, the following points into your offense/defense mission plan:**

**1.) Conduct NBC Recon as part of your collection plan using periodic and/or continuous monitoring as required.**

**2.) Employ detection and identification teams**

**3.) Identify collective protection assets.**

# NBC concepts for offense/defense mission (cont.

4.) Identify NBC hazards

5.) Designate decon sites and allocate assets

6.) NBC hazards avoidance procedures

7.) Establish MOPP levels and maintain not less than MOPP Ready

# NBC concepts for offense/defense mission (cont.)

**8.) Establish Automatic Masking Criteria**

**9.) Conduct Intelligence Preparation of the Battlefield**

# NBC Concepts for Stability Mission

1.) Incorporate toxic industrial hazards into IPB

2.) Identify civilian/host nation capabilities to support NBC defense operations

3.) Establish MOPP levels

4.) Identify requirements for special NBC assets

# NBC Concepts for support mission

1.) Assess natural disaster support if toxic materials are released

2.) Assess radiological hazards and low level radiation

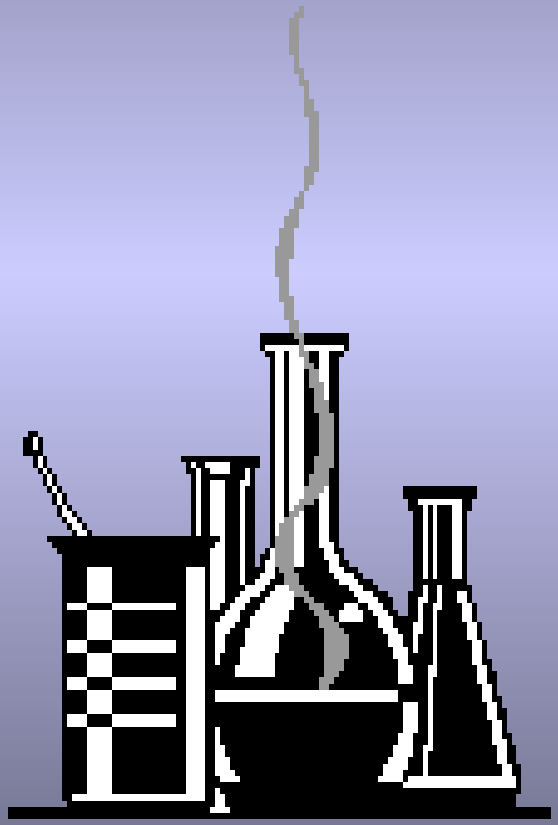
3.) Determine resources to assist civil authority

4.) Assist as first responder to toxic or industrial hazard

# NBC Concepts for support mission (cont.)

5.) Assist to protect force or civilian population

6.) Assist in support against terrorist threat



# Integrate NBC Concepts into Mission Planning

- **Identify five major concepts of NBC Defense: Contamination Avoidance, Individual and Collective Protection, Decontamination and Consequence Management.**

- **Correlate the appropriate NBC Defense principles with offensive, defensive stability and support operation.**

# What are your questions?

# Conclusion

**All soldiers, especially leaders, need to understand the basics of NBC Defense. The correct application of these concepts will reduce the impact of NBC weapons on U.S. troops.**